

523,182

28 JAN 2005

(12) INTERNATIONAL PUBLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
12 February 2004 (12.02.2004)

PCT

(10) International Publication Number
WO 2004/013932 A1

(51) International Patent Classification⁷: H01Q 9/40, 9/28

(21) International Application Number:
PCT/EP2003/050325

(22) International Filing Date: 21 July 2003 (21.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0209640 30 July 2002 (30.07.2002) FR

(71) Applicant (for all designated States except US): THOMSON LICENSING S.A. [FR/FR]; 46 Quai Alphonse Le Gallo, F-92100 BOULOGNE-BILLANCOURT (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PINTOS, Jean-François [FR/FR]; Le Bas Sommier, F-35740 PACE (FR). MOCQUARD, Olivier [FR/FR]; 12 rue Hoche, F-35000 RENNES (FR). ROBERT, Jean-Luc [FR/FR]; 2 rue Paul Gauguin, F-35830 BETTON (FR).

THUDOR, Franck [FR/FR]; 28, rue François-Charles Oberthur, F-35000 RENNES (FR). NICOLAS, Corinne [FR/FR]; 6 allée du Chênes aux Dames, F-35520 LA CHAPELLE DES FOUGERETZ (FR).

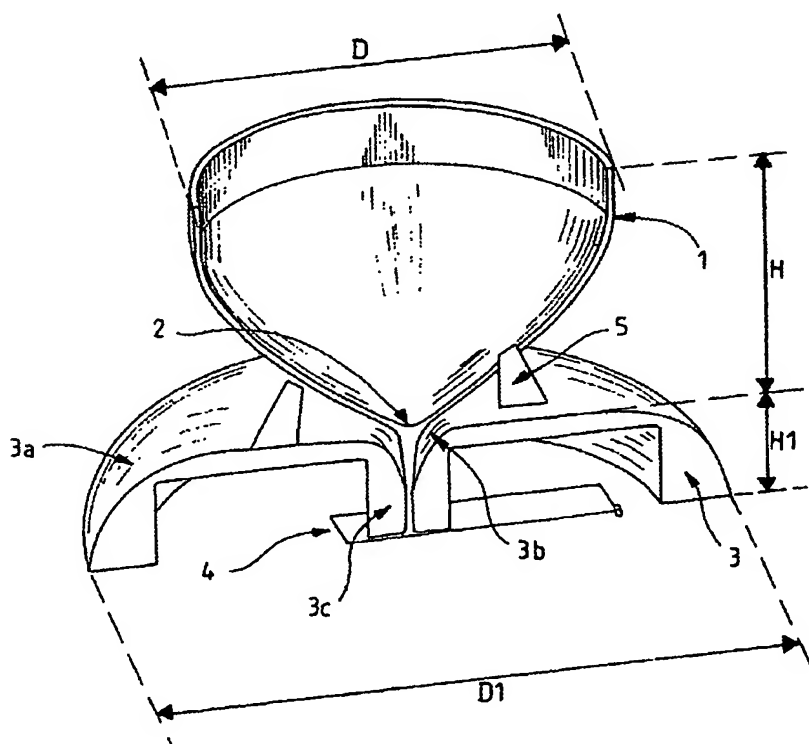
(74) Agent: RUELLAN-LEMONNIER, Brigitte; 46 Quai Alphonse Le Gallo, F-92648 BOULOGNE cedex (FR).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: BROADBAND ANTENNA AND PROCESSES FOR MANUFACTURING SUCH AN ANTENNA



(57) Abstract: The present invention relates to a broadband monopole antenna comprising a "cup"-shaped radiating element (1) mounted on an earth plane forming support (3) of annular shape. This antenna can be used in the field of portable television apparatuses.

WO 2004/013932 A1

WG 004/013932 A1



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*